

DEPARTMENT OF THE NAVY

Approved For Release 2006/03/17 : CIA-RDP79M00097A000100010001-1

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Memorandum

DATE: 23 Aug 1972

CONFIDENTIAL (Unclassified upon removal of enclosure)
FROM Edward L. Barker (Technical Director NIPSSA)

TO Intelligence Information Handling Committee (IIHC)

SUBJ Information Science Training Report

Ref: (a) IHC-D-113.5/12, 21 June 1972

Encl: (1) Navy Contribution to the FY72 Education and Training Report

1. In compliance with reference (a), enclosure (1) is forwarded as the Navy's contribution to the Annual Education and Training Report.

Edward L. Barker
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NAVY review(s) completed.

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NAVY CONTRIBUTION TO THE
FY72 EDUCATION AND
TRAINING REPORT

Classified by NIPSSA
Declassified on 31 Dec 1978

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CHART I STUDENT COMPARISON FY-72 WITH FY-71

ATTACHMENT B

COMMUNITY ORGANIZATIONS	INDIVIDUALS *				STUDENTS (ENROLLMENT)				STUDENTS (USER & SYS MAN PERSONNEL)			
	FY-71	PERCENT MILITARY FY-71	FY-72	PERCENT MILITARY FY-72	FY-71	PERCENT MILITARY FY-71	FY-72	PERCENT MILITARY FY-72	FY-71	PERCENT MILITARY FY-71	FY-72	PERCENT MILITARY FY-72
CIA												
STATE	229	0			247	0			134	0		
DIA	244	36			315	37			104	29		
NSA	2,657	17			3,656	17			2,029	19		
FBI	23	0			165	0			165	0		
ARMY	358	60			477	60			214	45		
NAVY	409	30	590	.70 .69	435	75	609	.68	97	82	393	.79 .65
AF	303	73			496	59			144	4		
TOTAL									262	93		
GRAND TOTAL												

* TOTAL INDIVIDUALS IS A SMALLER NUMBER THAN TOTAL STUDENTS SINCE SOME INDIVIDUALS TOOK TWO OR MORE COURSES AND ARE COUNTED AS A STUDENT FOR EACH COURSE. FOR EXAMPLE, ONE INDIVIDUAL TAKING THREE COURSES WOULD BE REPORTED AS THREE STUDENTS.

STUDENTS SHOWN ABOVE THE LINE ARE USERS AND THOSE SHOWN BELOW ARE SYSTEM PERSONNEL.

ATTACHMENT C

CHART 2 STUDENT COMPOSITION FY-72 BY PROFESSIONAL LEVELS: CLERICAL, JUNIOR, MID-CAREER, AND SENIOR

AGENCY	MILITARY				CIVILIAN				TOTALS		
	E1-5	E6-9 O1-2	O3-5	O6 & UP	GS 1-6	GS 7-11	GS 12-14	GS 15 & UP	U	S	TOTAL
CIA											
STATE											
DIA											
NSA											
FBI											
ARMY											
NAVY	108	138	163 164	--	46	80	73		393	215	608 609
AF											
TOTAL											

U-USER PERSONNEL

S-SYSTEM PERSONNEL

ATTACHMENT

CHART 3 COURSES AND STUDENTS BY SOURCE AND CATEGORY FOR FY-72

COURSES

	ORIENTATION	SYSTEM ANALYSIS & DESIGN	COMPUTER PROGRAMMING	APPLICATIONS	METHODS & TECHNIQUES	TOTAL
UNIVERSITIES	6	X 11	9	2	5	22 23
OWN GOV'T AGENCY	0	0	3	2	0	5
OTHER GOV'T AGENCIES	8	0	5	20	2	35
MANUFACTURERS & CONTRACTORS	4	1	1	3	2	11
TOTAL*	18	X 2	18	27	9	73 74

STUDENTS

	ORIENTATION	SYSTEM ANALYSIS & DESIGN	COMPUTER PROGRAMMING	APPLICATIONS	METHODS & TECHNIQUES	TOTAL
UNIVERSITIES	9	0 1	10	2	6	27 28
OWN GOV'T AGENCY	0	0	5	51	0	56
OTHER GOV'T AGENCIES	270	0	3	120	20	413
MANUFACTURERS & CONTRACTORS	42	7	15	31	17	112
TOTAL*	321	8 7	33	204	43	608 609

* FULL-TIME UNIVERSITY COURSES NOT INCLUDED

ATTACHMENT E

CHART A. SUMMARY OF SOURCES AND STUDENTS BY CATEGORIES AND PERCENT
DISTRIBUTION OF COURSES AND STUDENTS BY ORGANIZATION FOR FY-72

COURSES	DIA	STATE	DIA	NSA	FBI	ARMY	NAVY	AF	ALL ORG
SOURCE							22		
UNIVERSITY	50						30		
OWN GOV'T AGENCY							5		
OTHER							07		
GOV'T AGENCIES							35		
MANUFACTURERS & CONTRACTORS							48		
CATEGORY							11		
ORIENTATION							15		
SYSTEM ANALYSIS & DESIGN							18		
COMPUTER PROGRAMMING							25		
APPLICATION							1		
METHODS & TECHNIQUES							01		
STUDENTS							18		
SOURCE							25		
UNIVERSITIES							27		
OWN GOV'T AGENCY							04		
OTHER							56		
GOV'T AGENCIES							09		
MANUFACTURERS & CONTRACTORS							413		
CATEGORY							68		
ORIENTATION							112		
SYSTEM ANALYSIS & DESIGN							19		
COMPUTER PROGRAMMING							321		
APPLICATION							53		
METHODS & TECHNIQUES							7		
							01		
							33		
							06		
							204		
							33		
							43		
							07		

* AN EXAMPLE OF HOW TO REPORT THE ABSOLUTE NUMBER AND THE PERCENTAGE
FIGURE OF STUDENTS AS REQUESTED IN PARAGRAPH 2.5 (5) OF THIS MEMORANDUM.

ATTACHMENT F

CHART 5 STUDENTS BY AGENCY AND SOURCE FOR FY-72

	UNIVERSITIES	OWN GOV'T AGENCY	OTHER GOV'T AGENCIES	MANUFACTURERS & CONTRACTORS	TOTAL	FULL-TIME STUDENTS	GRAND TOTAL
CIA							
STATE							
DIA							
NSA							
FBI							
ARMY							
NAVY	27	56	413	112	608	1 0	608 609
AF							
TOTAL							

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c. Progress in Information Science Education Programs -
Emphasizing Changes

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During FY72, NIPSSA implemented an education and training package which had been negotiated with Control Data Corporation (CDC) in FY71 in conjunction with the contract for a CDC 6400 system. This provided a well-planned course of instruction in computer science disciplines for NIPSSA systems analysts, programmers, and computer operators. Contracted training totaled 77 instructor weeks, of which 35 was used in FY71 and 14 in FY72. The balance of the 28 instructor weeks will be scheduled throughout FY73. This training has ranged from orientation in hardware and software to advance instruction in Scope Operating systems and Compass assembly language. A maximum of 16 students can be accommodated in each class and every effort is being made to schedule the full student complement in each session. NIPSSA has also instituted an in-house training program for the instruction of user personnel in the use of on-line CRT's and associated interactive languages. This resulted in the training of 45 user personnel in FY72. The staff for this training consists of one full time training specialist assisted by systems and programming personnel who developed and wrote OSIS/SEA WATCH specifications and software.

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D. Value of Information Science Training Received.

(No input - no change)

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E. Hiring of Experienced Personnel

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During FY72, owing to budgetary and personnel reductions, NIPSSA was unable to hire much needed programming personnel for OSIS/SEA WATCH development. As a result NIPSSA programming personnel strength was reduced during the course of the year because of normal personnel attrition. Contract support provided by Systems Development Corporation (SDC) enabled NIPSSA to meet its OSIS/SEA WATCH software commitment. This situation highlighted the need for an enlarged in-house capability and resulted in SECNAV directing an increase in NIPSSA personnel strength for FY73.

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F. Education and Training Plans for FY73

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Proposed Training

Budget cuts and increased operational requirements continue to force a drastic reduction in the amount of financial support that NIPSSA can provide for voluntary after-hours education programs. Consequently this program is expected to be further curtailed in FY73 in favor of NIPSSA's growing in-house training program and the continuing Command-sponsored training provided by Control Data Corporation (CDC). The in-house program is being expanded to accommodate some 20 newly hired programmer trainees for OSIS/SEA WATCH development. The requirement to indoctrinate and train other personnel in data processing and associated areas will continue to be met, in most cases, through participation in one of the many programs conducted by the DoD Computer Institute (DODCI), or by taking advantage of no-cost or low-cost training offered by other federal agencies or commercial vendors.

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